

**BEST AVAILABLE COPY****RECEIVED  
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Serial No: 09/742290  
Attorney Docket No: 120-119  
Client Ref: : 13182BA

APR 15 2004

**OFFICIAL****CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 C.F.R. 1.8**

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4-15-04

date

Carol Ann Mahoney

Signature

Carol Ann Mahoney  
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Petition to Withdraw Holding of Abandonment 2 pages

Transmittal x 2 2 pages

Copy of Response to Missing Parts pages

Copy of Transmittal letter with date stamp by USPTO pages > 14 pp

Copy of Notice of Abandonment 1 pg

Total including this sheet 20 pages

Please type a plus sign (+) inside this box → +

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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# TRANSMITTAL FORM

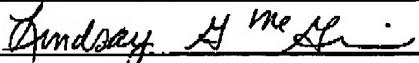
*(to be used for all correspondence after initial filing)*

		Application Number	09/742,290
		Filing Date	12/22/2000
		First Named Inventor	Modelski
		Group Art Unit	2171
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	PM270190 NOR 13182BA 120-119

## ENCLOSURES (check all that apply)

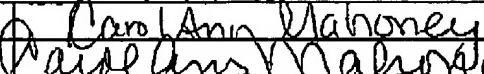
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i>	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) and letter	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i>
After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Petition to Withdrawn Holding of Abandonment
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Copy of Response to Missing Parts filed 5/1/2001
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> Copy of Transmittal letter with date stamp by USPTO
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Please charge any deficiency or credit any overpayment to Deposit Account No. 502569.	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Lindsay G. McGuinness, Reg. No. 38,549 Steubing McGuinness & Manaras LLP	
Signature		
Date	4/15/2004	

## CERTIFICATE OF MAILING OR FACSIMILE

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Type or printed name		Date
Signature		4/15/04

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/21 (08-00)

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# TRANSMITTAL FORM

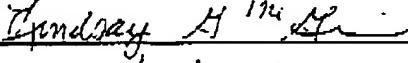
(to be used for all correspondence after initial filing)

		Application Number	09/742,290
		Filing Date	12/22/2000
		First Named Inventor	Modelski
		Group Art Unit	2171
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	PM270190 NOR 13182BA 120-119

## ENCLOSURES (check all that apply)

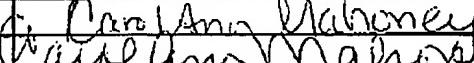
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) and letter	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Change of Correspondence Address	Petition to Withdrawn Holding of Abandonment
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Terminal Disclaimer	Copy of Response to Missing Parts filed 5/1/2001
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	Copy of Transmittal letter with date stamp by USPTO
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks <input type="text" value="Please charge any deficiency or credit any overpayment to Deposit Account No. 502569."/>		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Lindsay G. McGuinness, Reg. No. 38,549 Steubing McGuinness & Manaras LLP	
Signature		
Date	4/15/2004	

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Type or printed name Signature  Date 4/15/04

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#6

**RECEIVED  
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APR 15 2004

Applicant(s): *Li Modelstig et al.*Application No.: *09/746,575* *42,290*

Filed: 12/20/2000

Title: Method and Apparatus for Fast and Consistent  
Packet Classification Via Efficient Hash-CachingAttorney Docket No.: *13002ROUS01 120.087*

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Group Art Unit:  
*2175*

Conf. No. 1595

Examiner:

*Abel-Jalil***OFFICIAL****PETITION TO WITHDRAW HOLDING OF ABANDONMENT**  
**PURSUANT TO 37 CFR 1.181(a)**

Dear Sir:

In response to the Notice of Abandonment mailed *June 30, 2003*, Applicant respectfully petitions the Commissioner for the withdrawal of the holding of abandonment.

**STATEMENT OF FACTS:**

On November 24, 2003, the USPTO forwarded a notice of abandonment to Pillsbury Winthrop LLP in the above identified case. Nortel Networks had requested that prosecution of the application be taken over by our firm, and thus Pillsbury forwarded the notice of abandonment to our office in December 2003.

The notice of abandonment states that the application was abandoned for failure to reply to the Notice to File Missing Parts, mailed on June 01, 2001. However, Applicant's note that the notice to file missing parts was mailed on March 1, 2001, and the response to the notice was mailed on May 1, 2001. A complete copy of the response is shown attached hereto as exhibit A. A stamp indicating receipt of the response to the notice of missing parts is included at page A-1.

Serial No. 09/746,578

- 2 -

Art Unit: 2175

As further evidence that the response was filed, Applicant's note that the assignment, filed with the declaration, was recorded at reel/frame 011759/0743 on May 2, 2001.

In view of the attached evidence, Applicant hereby Petitions the Commissioner for a withdrawal of the holding of abandonment because Applicant had, in fact, responded to the outstanding PTO communication within the due date for response. A notice of the withdrawal of abandonment is hereby requested.

Respectfully Submitted,

4/15/2004  
Date

Lindsay McGuinness  
Lindsay McGuinness, Reg. No. 38,549  
Attorney/Agent for Applicant(s)  
Steubing McGuinness & Manaras LLP  
30 Nagog Park Drive  
Acton, MA 01720  
(978) 264-6664

Docket No. 270190/ 120-119

Enclosures: Appendix A



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1150  
 Alexandria, Virginia 22313-1150  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO/TITLE
09/742,290	12/22/2000	Richard P. Modelska	PM 270190 NOR- 13182BA

CONFIRMATION NO. 8159

## ABANDONMENT/TERMINATION LETTER



\*OC000000011343118\*

Date Mailed: 11/24/2003

## NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 06/01/2001.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

**RECEIPT FROM PTO FOR INDICATED ITEMS**

(Do NOT Use for New or Continuing Applications of Any Kind)  
 Use 2 postcards for all New Applns. (cont/Div/CIP, too)  
 Use this sheet when filing CPA

Appln. No: 09/742,290	Atty: DSL/ERH:Rose
First Inventor: MODELSKI	Date: May 1, 2001
	Matter No: 270190
	Client No: 61473

**ENCLOSED:**

Response/Amendment     Appendix     Cover Sheet     Cited>Listed Documents

Completion Request for R 53(f)/PCT Nat.

# No. of Pages Abstract

# No. of Pages Spec and Claims

# No. of Numbered Claims Only

# No. of Sheets of Drawings (Figs)

1 Set Formal     1 Set Informal     Cover Letter

Declaration  # of pages

Assignment  Cover Sheet

Small Entity Declaration

Extension Petition (PAT-111)

#  No. of Priority Documents

IDS Letter     Cited Appln(s)     Foreign Sch Rep/OA

PTO-1449     Cited Documents

Issue Fee Transmittal Form PTOL-85(b) + (c)

\$  1060.00 Fee (Check)

OTHER:  Notice to File Missing Parts

Current DUE DATE:  May 1, 2001

(Submit Single Copy Only)

A-1

**RECEIPT FROM PTO FOR INDICATED ITEMS**

(Do NOT Use for New or Continuing Applications of Any Kind)  
Use 2 postcards for all New Applns. (cont/Div/CIP, too)  
Use this sheet when filing CPA

Appn. No: 09/742,290	Atty: DSL/ERH:Rose
First Inventor: MODELSKI	Date: May 1, 2001
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**ENCLOSED:**

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#      No. of Pages Abstract

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#      No. of Numbered Claims Only

#      No. of Sheets of Drawings (Figs)

1 Set Formal     1 Set Informal     Cover Letter

Declaration                   # of pages

Assignment                   Cover Sheet

Small Entity Declaration

Extension Petition (PAT-111)

#  No. of Priority Documents

IDS Letter     Cited Appln(s)     Foreign Sch Rep/OA

PTO-1449     Cited Documents

Issue Fee Transmittal Form PTOL-85(b) + (c)

\$

Fee (Check)

OTHER:

Current DUE DATE:

(Submit Single Copy Only)

1-2

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## FILING COMPLETION UNDER RULE 53(f)

(NOT PCT Applications)  
For Design, Provisional, or Utility ApplicationsPATENT  
APPLICATIONCOMPLETION Under  
Rule 53(f)In re PATENT APPLICATION of

Inventor(s): MODELSKI et al.

Appln. No.: 09/

742,290

Atty.Dkt.

P

270190

NOR-13182BA

Series Code 1

Serial No. 0

M#

Client Ref

Attn: Application Division

Filed: December 22, 2000

Title: METHOD AND APPARATUS FOR PERFORMING A RADIX SEARCH BY SELECTING ONE OF A VALID  
TABLE AND A TRANSITION TABLEHon. Commissioner of Patents  
Washington, DC 20231

Date: May 1, 2001

Sir:

The following completes the filing under Rule 53(f) of the above-identified patent application:

1. Notice to File Missing Parts       copy attached       not yet received  
 2.  Signed Declaration attached.       Original       Facsimile/Copy

(Always "X" box 2 if filling signed Declaration and  
 "X" box 2A only if top box of the Declaration is X'd and file application copy, or  
 "X" box 2B only if none of the top three boxes of the Declaration is X'd.)

- 2A.  Attached: Original signed Declaration with attached specification (including claim(s)) which is a copy of specification and claim(s) originally filed to secure the above filing date.  
 2B.  The original application as filed in the PTO on the above filing date is the application which each inventor executed by signing the attached Rule 63 Declaration.  
 3.  Specification originally filed in non-English language; hence verified translation attached of:  
   a.  Abstract  
   b. #  pages of Specification(only spec. & claims)  
   c.  Drawing(s)      No of Sheets  
        Fig(s).  
 4.  Letter filing formal drawing attached.  
 5.  Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.  
 6. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1)		(2)	
(3)		(4)	
(5)		(6)	

7. FOREIGN priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in \_\_\_\_\_

8.

Application No.	Filing Date	Application No.	Filing Date
(1)		(2)	
(3)		(4)	

9. (No.) Certified copy (copies):  attached;  previously filed (date) \_\_\_\_\_  
in U.S. Application No. / \_\_\_\_\_ filed on \_\_\_\_\_
10. Small Entity Status  is Not claimed  is claimed (file PAT-256 if this is the first claim of Small Entity Status)
11.  Attached:
12.  Preliminary Amendment:

**THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED**

			Large/Small Entity	Fee Code
13. Basic Filing Fee .....	Design Application Not Design Application	\$320/\$160 \$710/\$355	+710	106/26 101/201
14. Total Effective Claims 30	minus 20 = 10	x \$18/\$9	+180	103/203
15. Independent Claims 3	minus 3 = 0	x \$80/\$40	+0	102/202
16. If any proper multiple dependent claim (ignore improper) is present, (Leave this line blank if this is a reissue application)		\$270/\$135	+0	104/204
17. Surcharge for filing Declaration/filing fee late		\$130/\$65	+130	105/205
18.		FILING FEE ENCLOSED =	\$1020	
19. Original due date: May 1, 2001				
20. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached	(1 mo) (2mos) (3mos) (4mos)	\$110/\$55 = \$390/\$195 = \$890/\$445 = \$1390/\$695 =	+0	115/215 116/216 117/217 118/218
21. If "non-English" box 3 is X'd, add Rule 17(k) processing fee .....		\$130	+0	139
22. If "assignment" box 5 is X'd, add recording fee. ....		\$40	+40	581
23. Petition Fee for		\$130	+0	
24.		TOTAL FEE ENCLOSED =	\$1060	

Our Deposit Account No. 03-3975

Our Order No. 61463

0270190

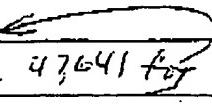
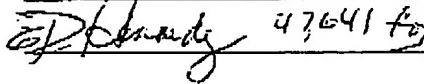
C#

M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

Pillsbury Winthrop LLP  
Intellectual Property Group

1100 New York Avenue, NW  
Ninth Floor  
Washington, DC 20005-3918  
Tel: (202) 861-3000  
Atty/Sec: DSL/ERH:rmb

By Atty: Dale S. Lazar   
Reg. No. 28872  
Sig:  47641 for  
Fax: (202) 822-0944  
Tel: (202) 861-3527

NOTE: File in duplicate with PTO receipt (PAT-103A) and attachments



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/742,290	12/22/2000	Richard P. Modelska	PM 270190 NOR-13182BA

CONFIRMATION NO. 8159

## FORMALITIES LETTER



"OC000000005813247"

Pillsbury Madison & Sutro LLP  
 Intellectual Property Group  
 Ninth Floor  
 1100 New York Avenue, NW.  
 Washington, DC 20005-3918

Date Mailed: 03/01/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

## FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 710 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$180.
  - \$180 for 10 total claims over 20.
- The oath or declaration is missing.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1020.

---

*A copy of this notice MUST be returned with the reply.*

*S. Modelska*  
 Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

## BOX ASSIGNMENTS

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## RECORDATION FORM COVER SHEET

## PATENT APPLICATIONS &amp; PATENTS ONLY

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Richard P. MODELSKI  
3. Adrian M. KRISTIANSEN  
5. Geoff B. LADWIG  
7.

2. Michael J. CRAREN  
4. Richard L. ANGLE  
6.  
8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED?  YES  NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: NORTEL NETWORKS, LTD.

ADDRESS: World Trade Center of Montreal, 380 St. Antoine Street West, 8th Floor, Montreal, Quebec H2Y 3Y4, Canada

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED?  YES  NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

<input checked="" type="checkbox"/> ASSIGNMENT OF	<input checked="" type="checkbox"/> WHOLE	<input type="checkbox"/> PART INTEREST
<input type="checkbox"/> ORIGINAL	<input type="checkbox"/> FACSIMILE/PHOTOCOPY	
<input type="checkbox"/> CHANGE OF NAME	<input type="checkbox"/> VERIFIED TRANSLATION	
<input type="checkbox"/> SECURITY	<input type="checkbox"/> OTHER:	

EXEC. DATE: March 23, March 26, and April 19, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) March 23, March 26, and April 19, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached?  YES  NO

A. PAT. APP. NO.(S) series code/serial no.	IMB	B. INVENTOR(S) If not in item 1	C. PATENT NO(S)	IMB	D. INVENTOR(S) If not in item 1
09/742,290	270190				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP  
Intellectual Property Group  
1100 New York Avenue, NW  
Ninth Floor  
Washington, DC 20005-3918

6. NUMBER INVOLVED:  
APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)  
ABOVE TOTAL x \$40 = \$40

## 5.5 ATTY DKT:

P 270190 NOR-13182-BA  
MATTER NO. CLIENT REF.

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE  
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975  
UNDER ORDER NO 61473 270190

dup. sheet not required CLIENT NO. MATTER NO.

9.

*[Signature]* REC'D 4/15/04  
*[Signature]*

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 5

Attorney: Dale S. Lazar  
Reg. No. 28872  
Atty/Sec: DSL/ERH:mb TEL: (202) 861-3527

Date: May 1, 2001  
FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

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